

Title (en)

COMPRESSION DEVICE IN COMBINATION WITH LOWER LIMB PROTECTION

Title (de)

KOMPRESSIONSVORRICHTUNG IN KOMBINATION MIT SCHUTZ DER UNTEREN GLIEDMASSEN

Title (fr)

DISPOSITIF DE COMPRESSION EN COMBINAISON AVEC PROTECTION DE MEMBRE INFÉRIEUR

Publication

EP 3100708 A3 20170118 (EN)

Application

EP 16160997 A 20160317

Priority

US 201514732067 A 20150605

Abstract (en)

[origin: EP3100708A2] The present invention relates to a support system for a body part including a compression device in combination with a lower leg protection system. The support system comprises: an inner positioner (14) formed of bladder (13) including fluidized material therein which can retain its shape after sculpting; an outer support (52) comprising a top layer, a first intermediate layer, a second intermediate layer, and a bottom layer; a first plenum formed between the top layer and the first intermediate layer, the top layer includes perforations; a first valve connected to the first plenum and a first pump, said first pump providing air through the first valve to said first plenum to create air flow into the plenum and out through the perforations; a second plenum formed between the first intermediate layer and the second intermediate layer and second pump, a second valve connecting to the second pump, said second pump provides air to the second plenum to inflate said second plenum in an intermittent or sequential manner; and a third plenum formed between the second intermediate layer and the bottom layer, said third plenum containing a fixed amount of static air. The outer support can include a rigid outer shell for providing support.

IPC 8 full level

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CPC (source: EP)

A61H 9/0092 (2013.01); **A61H 2201/0192** (2013.01); **A61H 2201/164** (2013.01); **A61H 2205/106** (2013.01)

Citation (search report)

- [XY] US 2012316481 A1 20121213 - PURDY WILLIAM [US], et al
- [Y] US 2007282230 A1 20071206 - VALDERRABANO VICTOR [CH], et al

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